

TSR-3 Series ▶ 3A

- ▶ High performance switching regulator
- ▶ High efficiency up to 95 %
- ▶ Low profile open frame design
- ▶ Adjustable output voltage
- ▶ Remote On/Off
- ▶ Wide input voltage range 2.5-5.5, 4.5-14 and 10-30 VDC
- ▶ Output voltages from 0.6 to 15 VDC
- ▶ Short circuit protection
- ▶ Low output ripple & noise

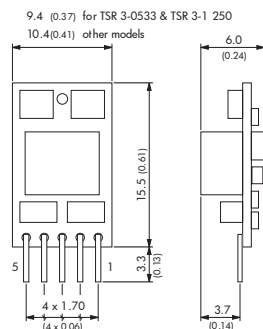
Full datasheet in progress !



NEW
Product

| Specifications | | Models | | | |
|-----------------------------|---|-------------|----------------|---------------------------|---------------------|
| Line regulation | 0.2 % max. | Order code | *Input voltage | Output voltage adjustable | Output current max. |
| Load regulation | 0.8 % max. | TSR 3-0533 | 2.5 – 5.5 VDC | 0.6 – 3.3 VDC | 3000 mA |
| Output voltage adjustment | by external resistor. | TSR 3-1250 | 4.5 – 14 VDC | 0.6 – 6.0 VDC | 3000 mA |
| Ripple & noise (20 MHz BW) | <50 mVpk-pk for models up to 6 VDC output <75 mVpk-pk for models higher 6 VDC output | TSR 3-2450 | 10 – 30 VDC | 3.0 – 6.0 VDC | 3000 mA |
| Short circuit protection | continuous, automatic recovery | TSR 3-24150 | 10 – 30 VDC | 5.0 – 15 VDC | 3000 mA |
| Efficiency | 93 % typ. | | | | |
| Operating temperature range | -40 °C to +85 °C above 50 °C derating 1.5 %/K | | | | |
| I/O isolation voltage | non-isolated | | | | |
| Standby input current | 20 mA typ. | | | | |
| Remote On/Off | shutdown input for low input current in standby operation | | | | |
| Casing | plastic (UL 94 V-0 rated) | | | | |

Dimensions



() = Inches

| Pin | |
|-----|---------------|
| 1 | Remote On/Off |
| 2 | +Vin (Vcc) |
| 3 | GND |
| 4 | +Vout |
| 5 | Trim |